



**SIGNS**

22,23, 26,30,35, 24,27  
31  
37,38  
21a  
21b  
25a  
25b  
D 3-2  
16" x Var.  
(Dual Faced)

**SIGNALS**

1,2,5,6  
3,4,7,8, 11,14  
9,10, 12,13  
15-20

12" 12" 12" 12"

ddlebrook RD <1500  
Frederick RD <1990  
ddlebrook RD <1500  
Frederick RD <1990  
ddlebrook RD <1400  
Frederick RD <1990  
ddlebrook RD <1400  
Frederick RD <1990

**NEMA PHASING**

ø1 ø2 ø3 ø4  
ø5 ø6

FLASHING OPERATION  
ø4 Alt.

**PHASING NOTES:**  
1. PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY  
2. PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY

FHWA REGION NO	STATE	FED. AID PROJ. NO	SHEET NO.	TOT SHEET
3	MD.	SEE TITLE SHEET		

**GEOMETRIC LEGEND**

EXISTING GEOMETRICS  
PROPOSED GEOMETRICS

**UTILITY LEGEND**

G GAS MAIN  
W WATER MAIN  
S SEWER MAIN  
D STORM DRAIN  
E ELECTRIC CABLES  
A AERIAL CABLES  
T TELEPHONE CABLES  
C CABLE TELEVISION

- NOTES**
- Proposed geometrics shall be confirmed prior to the installation of signal equipment.
  - Loop detectors and conduit shall be installed prior to the installation of pavement markings.
  - Pavement markings detailed are proposed and are to be installed by the contractor in accordance with S.H.A. standards. All other pavement markings not detailed will be installed as part of the highway contract.
  - All utilities are shown in their approximate location and are not to be considered as complete. The Contractor shall be responsible for contacting Miss Utility to verify the the locations of all utilities. The Contractor shall contact the Project Engineer prior to construction to avoid potential conflicts so that field adjustments can be made.
  - Interconnect shall be maintained at all times.
  - The existing traffic signal equipment is shown in their approximate location as shown on approved Revision 'C' design plan (dated October 3, 1995 by The Traffic Group, Inc.).

Revision 'D'

**A/E GROUP, INC.**  
CONSULTING ENGINEERS • PLANNERS  
11409 CRONHILL DRIVE  
OWINGS MILLS, MD. 21117  
(410) 363-1908  
A/E JOB NO: 94-284

REVISIONS	APPROVALS
	CHIEF, SIGNAL DESIGN SECTION
	ASST. DISTRICT ENGINEER, TRAFFIC
	CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
	DIRECTOR, OFFICE OF TRAFFIC & SAFETY

MDOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION

DRAWN BY: G.E. Cook  
DES. BY: M.A. Mears  
CHK. BY: D.A. Doda

**MD 355 at Middlebrook Road**

COUNTY: MONTGOMERY

DATE: December 22, 1986  
SCALE: 1" = 20'

F.A.P. NO. N/A  
S.H.A. NO. N/A

TS/STD. NO. 2283D-P

SHEET NO. OF